



0054084



Chemical and Environmental Measurement Information

Recra LabNet Philadelphia
Analytical Report

Client: TNU HANFORD B00-054

RFW #: 0009L589

SDG/SAF#: H1025/B00-054

W.O. #: #: 10985-001-001-0000-00

Date Received: 09-13-00

RECEIVED
DEC 05 2000

GC SCAN

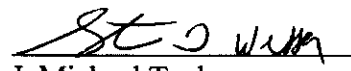
EDMC

The set of samples consisted of three (3) soil samples collected on 09-07-00.

The samples and their associated QC samples were prepared on 09-14-00 and analyzed by methodology based on EPA Method 8015B for Methanol on 09-14-00.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The samples were packaged and stored as specified in the method protocol; the cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The samples preparation and analysis holding times were met.
3. All initial calibrations associated with this data set were within acceptance criteria.
4. All continuing calibration standards analyzed prior to the sample extracts were within acceptance criteria.
5. Recra does not use surrogate spikes for this analysis. The method does not provide specific guidance regarding the use of surrogates and performance criteria. Method performance is monitored through the use of blank spikes and matrix spikes.
6. The blank spike recovery was within advisory control limits of 50%-150%.
7. The matrix spike recoveries were within the advisory control limits of 50%-150%.
8. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. The laboratory Manager or a designee, as verified by the following signature, has authorized release of the data contained in this hard-copy data package.

by 
J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

09-29-00

Date

r:\group\hplc-gcsc\nam\gcvoa-scan\2000\09-589a1.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 7 pages.

GLOSSARY OF OGCSC DATA

DATA QUALIFIERS

- U** = Indicates that the compound was analyzed for but not detected. The minimum detection limit for the sample (not the method detection limit) is reported with the U (e.g., 10U).
- J** = Indicates an estimated value. This flag is used in cases where a target analyte is detected at a level less than the lower quantification level. If the limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B** = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination.
- E** = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- I** = Interference.

ABBREVIATIONS

- BS** = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spiking solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD** = Indicates blank spike duplicate.
- MS** = Indicates matrix spike.
- MSD** = Indicates matrix spike duplicate.
- DL** = Indicates that recoveries were not obtained because the extract had to be diluted for analysis.
- NA** = Not Applicable.
- DF** = Dilution Factor.
- NR** = Not Required.
- SP** = Indicates spiked compound.

Recra LabNet - Lionville Laboratory

GC SCAN

Report Date: 09/25/00 08:38

RFW Batch Number: 0009L589

Client: TNU-HANFORD B00-054

Work Order: 10985-001-001-9999-00

Page: 1

	Cust ID:	B10493	B10493	B10493	B10494	B10495	BLK
Sample	RFW#:	001	001 MS	001 MSD	002	003	00LLC171-MB1
Information	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

	fl	fl	fl	fl	fl	fl	fl
Methanol	5.0 U	78 %	117 %	5.0 U	5.0 U	5.0 U	5.0 U

	Cust ID:	BLK BS
Sample	RFW#:	00LLC171-MB1
Information	Matrix:	SOIL
	D.F.:	1.00
	Units:	mg/kg

	fl	fl	fl	fl	fl	fl	fl
Methanol	87 %						

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Van/25h.

Recra LabNet - Lionville Laboratory
GCSC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B00-054

RFW LOT # :0009L589

CLIENT ID	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
B10493	001	S	00LLC171	09/07/00	09/13/00	09/14/00	09/14/00
B10493	001 MS	S	00LLC171	09/07/00	09/13/00	09/14/00	09/14/00
B10493	001 MSD	S	00LLC171	09/07/00	09/13/00	09/14/00	09/14/00
B10494	002	S	00LLC171	09/07/00	09/13/00	09/14/00	09/14/00
B10495	003	S	00LLC171	09/07/00	09/13/00	09/14/00	09/14/00
LAB QC:							
BLK	MB1	S	00LLC171	N/A	N/A	09/14/00	09/14/00
BLK	MB1 BS	S	00LLC171	N/A	N/A	09/14/00	09/14/00

*21
8/26/00*

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

Page 1 of 1



00091589

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client <u>TNY-Hanford B00-054</u>				Refrigerator # <u>41</u>																					
Est. Final Proj. Sampling Date _____				#/Type Container		Liquid																			
Project # <u>10985-001-001-9999-00</u>						Solid																			
Project Contact/Phone # _____				Volume		Liquid																			
RECRA Project Manager <u>aj</u>						Solid																			
QC <u>Spec</u> Del <u>Std</u> TAT <u>15 day</u>				Preservatives																					
Date Rec'd <u>9-13-00</u> Date Due <u>9-28-00</u>				ANALYSES REQUESTED →		ORGANIC					INORG														
Account # _____						VOA BNA Pest/PCB Herb					Metal CN														
						RECRA LabNet Use Only																			
MATRIX CODES:				Lab ID		Client ID/Description		Matrix QC Chosen (✓)		Matrix		Date Collected		Time Collected											
								MS MSD																	
S - Soil				001		B10493				S		9/11/00		0850											
SE - Sediment				002		+ 494				S		1		0945											
SO - Solid				003		+ 495				S		1		1415											
SL - Sludge																									
W - Water																									
O - Oil																									
A - Air																									
DS - Drum Solids																									
DL - Drum Liquids																									
L - EP/TCLP Leachate																									
WI - Wipe																									
X - Other																									
F - Fish																									

Special Instructions: Saf B00-054

DATE/REVISIONS:

1. Run matrix QC

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were: ☒ or
 1) Shipped _____ or
 Hand Delivered _____
 Airbill # 8227198
 2) Ambient or Unlabeled
 3) Received in Good Condition Y or N
 4) Labels Indicate Properly Preserved Y or N
 5) Received Within Holding Times Y or N

COC Tape was:
 1) Present on Outer Package Y or N
 2) Unbroken on Outer Package Y or N
 3) Present on Sample Y or N
 4) Unbroken on Sample Y or N
 COC Record Present Upon Sample Rec'l Y or N
 Cooler Temp 2.9 C

Relinquished by

Received by

Date

Time

Fedex

OK

9/13/00

0915

Relinquished by

Received by

Date

Time

COMPOSITE
WASTE

ORIGINAL

Discrepancies Between
 Samples Labels and
 COC Record? Y or N
 NOTES:

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-054-050		Page 1 of 1	
Collector T Johansen		Company Contact J. Fancher		Telephone No. 373-9123		Project Coordinator TRENT, SJ		Price Code 8K Data Turnaround 15day	
Project Designation 100-NR-1 TSD Sites R. A. Sampling - Soil		Sampling Location 116-N-3 Trench Floor		SAF No. B00-054		Air Quality <input type="checkbox"/>			
Ice Chest No. ERC99-038 (LAFI)		Field Logbook No. EL-1524		COA R1325N2600		Method of Shipment Federal Express			
Shipped To FMA/RECRA MOJ-7-00		Offsite Property No. RSR #106577 & 11.00		Bill of Lading/Air Bill No. NA					
POSSIBLE SAMPLE HAZARDS/REMARKS Potentially Radioactive		Preservation		Cool 4C					
		Type of Container		G					
		No. of Container(s)		1					
		Volume		250mL					
Special Handling and/or Storage None				Alcohols, Glycols, & Ketones - 8015M (Methanol)					
SAMPLE ANALYSIS									
Sample No.	Matrix *	Sample Date	Sample Time						
B10493	SOIL	9-7-00	0850	X				B103P2	B103P6
B10494	SOIL	9-7-00	0945	X				B103P2	B103P4
B10495	SOIL	9-7-00	1415	X				B103P2	
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By REMOUSE		Date/Time 9-7-00 1610		Received By REF #1B		Date/Time 9-7-00 1610		Samples stored in Ref. # 1B at the 3728 Shipping Facility on 9/12/00. Collector not available to relinquish samples on 9/12/00 for shipment. 9-12-00	
Relinquished By REMOUSE		Date/Time 9-12-00 0800		Received By R. Thorne		Date/Time 9-12-00 0800			
Relinquished By R. Thorne		Date/Time 9-12-00 0800		Received By FED EX		Date/Time 9-12-00 0800			
Relinquished By FED EX		Date/Time 9-13-00 0915		Received By DWALKER		Date/Time 9-13-00 0915			
Relinquished By		Date/Time		Received By		Date/Time			
Relinquished By		Date/Time		Received By		Date/Time			
LABORATORY SECTION		Received By		Title				Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time	

0215

1 From This portion can be removed for Recipient's records
Date **9-12-00** FedEx Tracking Number **822771885179**

Sender's Name **J.E. MAXWELL** Phone **509 376-7493**
Company **WASTE MANAGEMENT** **TECHNICAL SERVICES/US DOE**

Address **2355 STEVENS DR MS G1-14** (EMERGENCY CONTACT)
City **RICHLAND** State **WA** Zip **99352**

2 Your Internal Billing Reference **R132592500** RADIOACTIVE MATERIAL, EXCEPT PACKAGE
FROM 4341 (LEISURE EXCEPTED)
3 To Recipient's Name **ORLETTE JOHNSON** Phone **610 280-3012**
Company **RECRA LAB NET**

Address **208 WELSH POOL ROAD**
City **LIONVILLE** State **PA** Zip **19341-1333**



0151692651

4a Express Package Service
☒ FedEx Priority Overnight ☐ FedEx Standard Overnight
☐ FedEx 2Day* ☐ FedEx Express Saver*
☐ FedEx International Priority

4b Express Freight Service
☐ FedEx 1Day Freight* ☐ FedEx 2Day Freight
☐ FedEx 3Day Freight
☐ FedEx 4Day Freight
☐ FedEx 5Day Freight

5 Packaging
☐ FedEx Envelope/Letter* ☐ FedEx Flat*
☒ Other Pkg.
☐ FedEx Small Box

6 Special Handling
☐ SATURDAY Delivery ☐ SUNDAY Delivery
☐ Signature Required ☐ Signature Restricted
☐ Insured ☐ Registered Mail

7 Payment
☐ Cash ☐ Bill Me ☐ Bill to Other
☐ Bill to Recipient ☐ Bill to Third Party
☐ Bill to Card ☐ Bill to Cash

8 Release Signature
☐ Signature Required ☐ Signature Not Required
☐ Signature Restricted ☐ Signature Not Restricted

9 Total Packages
1
Total Weight
180
Total Charges
402

By signing your signature up to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
ChaseCardNet.com 1-800-424-7463
What our Web site at www.fedex.com can do for you.
FedEx.com 1-800-424-7463

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